

**Road Weather Management Program  
Best Practices for Road Weather Management**

**PUBLICATIONS LIST**

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**TITLE:**

TESTING THE ADVERSE VISIBILITY INFORMATION SYSTEM  
EVALUATION (ADVISE) - SAFER DRIVING IN FOG

**ABSTRACT:**

There are many advisory systems to warn drivers of fog. However, warning drivers that there is fog ahead does not instruct them on what to do. During the 1995-2000 winter seasons, a new technology known as the Adverse Visibility Information System Evaluation (ADVISE) was tested. ADVISE uses visibility sensors to determine current sight distance and corresponding safe speed for the prevailing conditions. DMS instruct drivers of safe speed. This research measures the effectiveness of the system in reducing the variability between speeds. ADVISE successfully reduced speed variability by an average 22%.

**SOURCE(S):**

Transportation Research Board 81st Annual Meeting, Search  
TRIS <http://199.79.179.82/sundev/search.cfm>

**Keyword(s):**

Visibility, Fog, Traffic management, Speed management, DMS,  
Mobility, Safety, Crashes